16-Port 10/100Mbps

Desktop Fast Ethernet Switch

FSD-1604

User's Manual

Table of Contents

1. Package Contents 3
2. Product Features 4
   2.1 Switch Front Panel 5
   2.2 LED Indicators 5
   2.3 Switch Rear Panel 5
   2.4 Installing the FSD-1604 6
3. Product Specifications 9
4. Customer Support 10

1. Package Contents

Check the contents of your package for following parts:

FSD-1604 x 1

DC 5V, 1A Power Adapter x 1

User's Manual x 1

If any of these are missing or damaged, please contact your dealer immediately, if possible, retain the carton including the original packing material, and use them against to repack the product in case there is a need to return it to us for repair.

2. Product Features

- RJ-45 Interface
  - 16-Port 10/100Mbps Fast Ethernet ports
  - Comply with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX
- Switching
  - Hardware based 10/100Mbps Auto-Negotiation and Auto MDI/MDI-X
  - Features Store-and-Forward mode with wire-speed filtering and forwarding rates
  - Flow control for Full Duplex operation and back pressure for Half Duplex operation
  - Integrates address look-up engine, supporting 8K absolute MAC addresses
  - 2Mbit SRAM Packet Buffer
  - Switch Fabric: 3.2Gbps, Switch Throughput: 2.38Mpps
  - Automatic address learning and address aging
  - Comply with CSMA/CD protocol
- Hardware
  - Plastic shape and Desktop size, wall mount designed
  - LED indicators for system Power, per port Link / Act
  - Supports to handle up to 1522bytes packet
  - External DC 5V, 1A Power Adapter
  - One power on/off button for energy saving
  - FCC Class B, CE compliant

2.1 Switch Front Panel

Figure 1-1 shows a front panel of FSD-1604.

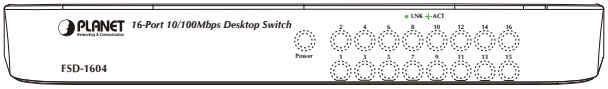


Figure 1-1: FSD-1604 Front Panel

2.2 LED Indicators

FSD-1604

LED	Color	Function
PWR	Green	**Lit:** Power on.
LNK/ACT	Green	**Lit:** indicate the link through that port is successfully established at 10/100Mbps. **Blink:** indicate that the Switch is actively sending or receiving data over that port.

2.3 Switch Rear Panel

Figure 1-2 shows a rear panel of FSD-1604.

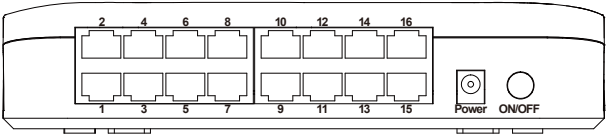


Figure 1-2: FSD-1604 Rear Panel

Power Notice

1. The device is a power-required device, it means, it will not work till it is powered. If your networks should active all the time, please consider using UPS (Uninterrupted Power Supply) for your device. It will prevent you from network data loss or network downtime.
2. In some area, installing a surge suppression device may also help to protect your Switch from being damaged by unregulated surge or current to the Switch or the power adapter.

2.4 Installing the FSD-1604

This part describes how to install your FSD-1604 and make connections to it. Please read the following topics and perform the procedures in the order being presented.

Note

This FSD-1604 does not need software configuration.

Desktop Installation

To install the FSD-1604 on desktop, simply follow the next steps:

Step 1: Place the FSD-1604 on desktop near a DC power source.

Step 2: Keep enough ventilation space between the FSD-1604 and the surrounding objects.

Note

When choosing a location, please keep in mind the environmental restrictions discussed in Product Specifications.

Step 3: Connect your FSD-1604 to network devices.

A. Connect one end of a standard network cable to the 10/100 RJ-45 ports on the Back of the FSD-1604.

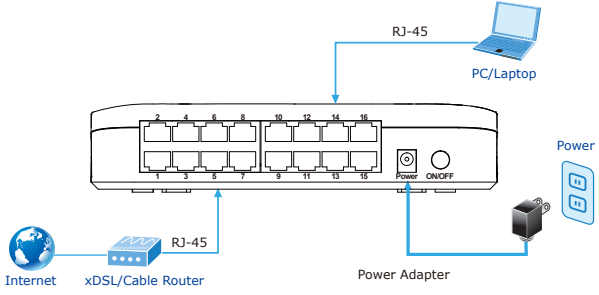
B. Connect the other end of the cable to the network devices such as printer servers, workstations or routers…etc.

Step 4: Supply power to the FSD-1604.

A. Connect one end of the power cable to the FSD-1604.

B. Connect the 5V DC power adapter to a standard wall outlet.

When the Switch receives power, the Power LED should remain solid Green.



Wall Mount Installation

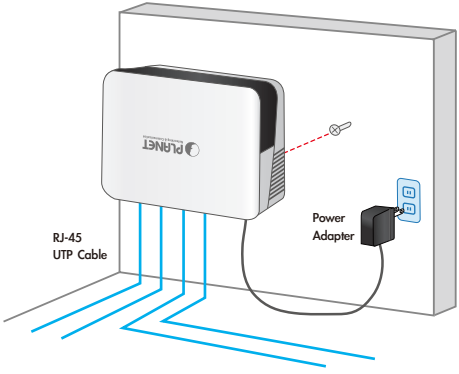
Step 1: Please find the wall that can mount the FSD-1604.

Step 2: Install two screws on the wall.

Step 3: Hang the FSD-1604 on the screws from the wall.

Step 4: Repeat step 4 of Desktop Installation for supply power to the FSD-1604.

Note	Before wall mount installation, please consider the material quality of wall, power socket location and Ethernet cable length.



3.Product Specifications

Model	FSD-1604	
Hardware Specification		
Network Connector	16-Port RJ-45 for 10/100Base-TX	
LED Display	System: Power x1 (Green) Per Port: LNK/ACT (Green)	
Switch Architecture	Store and Forward switch architecture	
MAC Address Table	8K MAC address table with Auto learning function	
Switch Fabric	3.2Gbps	
Switch Throughput	2.38Mpps	
Maximum Packet Size	1522Bytes	
Flow Control	Back pressure for Half-Duplex. IEEE 802.3x Pause Frame for Full-Duplex	
Power Requirement	DC 5V,1A Power Adapter	
Power Consumption	2.7 Watts / 9.2BTU	
Dimension (W x D x H)	200x 135 x 35 mm	
Weight	369g	
Standard Conformance		
EMI Safety	FCC Class B, CE	
Operating environment	0 ~ 50 Degree C	
Storage environment	-10 ~ 70 Degree C	
Operating Humidity	5 ~ 95%, Relative Humidity, non-condensing	
Storage Humidity	5 ~ 95%, Relative Humidity, non-condensing	
Standard Compliance	IEEE 802.3 IEEE 802.3u IEEE 802.3x	Ethernet Fast Ethernet Flow Control

4. Customer Support

Thank you for purchase PLANET products. You can browse our online FAQ resource at the PLANET web site first to check if it could solve you issue. If you need more support information, please contact PLANET switch support team.

PLANET online FAQ :
http://www.planet.com.tw/en/support/faq.php?type=1

Switch support team mail address :
support_switch@planet.com.tw

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EC Declaration of Conformity

For the following equipment:

*Type of Product: 16-Port 10/100Mbps Fast Ethernet Switch, Plastic
*Model Number: FSD-1604

* Produced by:
Manufacturer's Name : **Planet Technology Corp.**
Manufacturer's Address: 10F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.).

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive on (2004/108/EC).
For the evaluation regarding the EMC, the following standards were applied:

EN 55022	(CLASS B: 2006 + A1:2007)
EN 61000-3-2	(2006 + A2: 2009)
EN 61000-3-3	(2008)
EN 55024	(1998 + A1: 2001 + A2:2003)
IEC 61000-4-2	(2008)
IEC 61000-4-3	(2006 + A1: 2007 + A2:2010)
IEC 61000-4-4	(2004 + A1: 2010)
IEC 61000-4-5	(2005)
IEC 61000-4-6	(2008)
IEC 61000-4-8	(2009)
IEC 61000-4-11	(2004)

Responsible for marking this declaration if the:

☒ **Manufacturer** ☐ **Authorized representative established within the EU**

Authorized representative established within the EU (if applicable):

Company Name: **Planet Technology Corp.**

Company Address: **10F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)**

Person responsible for making this declaration

Name, Surname **Kent Kang**

Position / Title : **Product Manager**

Taiwan	29, Feb., 2012	
Place	*Date*	*Legal Signature*

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